FIG.1

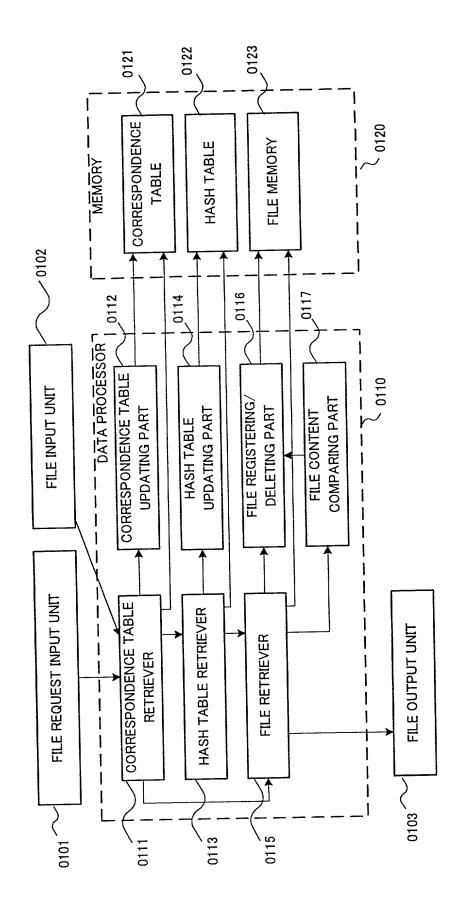


FIG.2

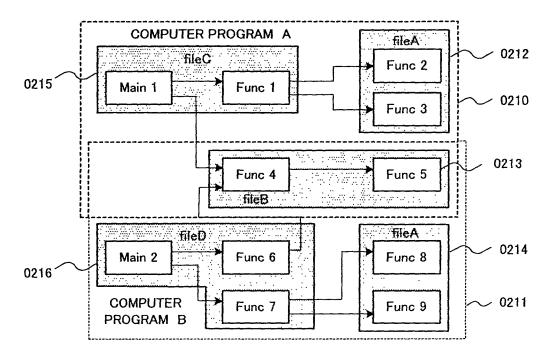


FIG.3

		
FILE NAME	FILE ID	MANAGING ID
file A	usr 001. prog 01	A-1
	usr 001. prog 02	A-2
	usr 002. prog 01	A-1
file B	usr 002. prog 01	B-1
	usr 003. prog 01	B-2
:	:	÷

FIG.4

FILE NAME	FILE	MANAGING ID
	FuncA ()0401	A-1
file A	FuncB() 0402	A-2
	FuncC()0403	A-3

(a)

KEY VALUE	MANAGING ID
HASH TABLE FOR FILE 0401(=aaaa)	A-1
HASH TABLE FOR FILE 0402(=bbbb)	A-2
HASH TABLE FOR FILE 0403(=bbbb)	A-3

(p)

FIG.8

MANAGING ID	FILE	
A-1	FuncA() 0401	
A-2	FuncB() 0402	
A-3	FuncC() 0403	

FIG.5

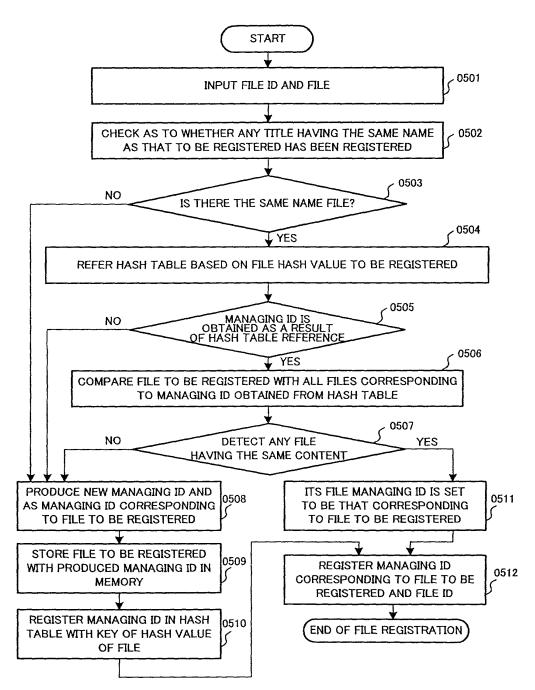


FIG.6

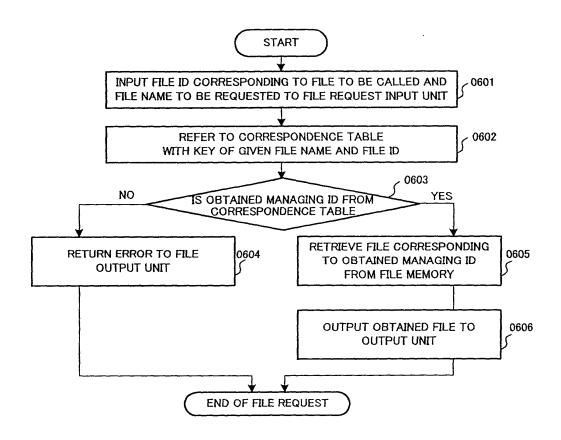
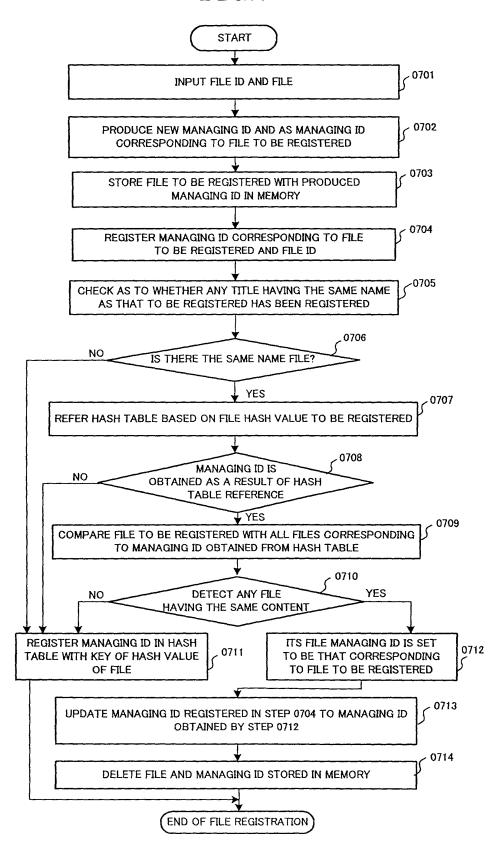
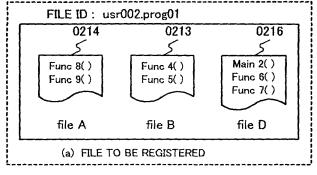


FIG.7





CORRESPONDENCE TABLE FILE NAME FILE ID MANAGING ID file A usr001.prog01 fileA-1 file B usr001.prog01 fileB-1 file C usr001.prog01 fileC-1 HASH TABLE OF FILE A KEY VALUE MANAGING ID HASH TABLE FOR FILE A0212 fileA-1 HASH TABLE OF FILE B KEY VALUE MANAGING ID HASH TABLE FOR FILE B0213 fileB-1 HASH TABLE OF FILE C KEY VALUE MANAGING ID HASH TABLE FOR FILE C0215 fileC-1 **FILE MEMORY** -1203 MANAGING ID FILE Func 2() fileA-1 Func 3() Func 4() fileB-1 Func 5() Main 1() fileC-1 Func 1() (b) BEFORE REGISTRATION

CORRESPONDENCE TABLE			
FILE NAME FILE ID MANAGING ID			1204
FILE NAME	usr001.prog01	fileA-1	4044
file A	usr002.prog01	fileA-2	1211
 	usr001.prog01	fileB-1	
file B	usr002.prog01	fileB-2	1212
file C	usr001.prog01	fileC-1	4040
file D	usr002.prog01	fileD-1	1213
I IIIE D	dsrooz.progor	IIICD I	,
ł	HASH TABLE FOR	FILE A	}
K	EY VALUE	MANAGING ID	
HASH TAE	ILE FOR FILE A0212	fileA-1	1209
	BLE FOR FILE A0214	fileA-2	~ [
		<u> </u>	
	HASH TABLE FOR		
	EY VALUE	MANAGING ID	
HASH TAE	LE FOR FILE B0213	fileB-1	}
,	HASH TABLE FOR	FILE C	}
	Y VALUE	MANAGING ID	
	ILE FOR FILE C0215	fileC-1	í
737011 1712	CE TOTTIEE GOZIO	111007	
{	ASH TABLE FOR	FILE D	
KI	KEY VALUE MANAGI		1210
HASH TABLE FOR FILE D0216 fileD-1			12101
HASH TAE	ILE FOR FILE D0216		الماءات
<u> </u>	ILE FOR FILE D0216		~ 210
<u> </u>	ILE MEMORY		1210
MANAGING	ILE MEMORY ID FILE Func 2()	fileD-1	7210
F	ILE MEMORY ID FILE	fileD-1	1210
MANAGING	ILE MEMORY ID FILE Func 2()	fileD-1	1210
MANAGING	ILE MEMORY ID FILE Func 2()	fileD-1	1210
MANAGING fileA-1	ILE MEMORY ID FILE Func 2() Func 3()	fileD-1	1210
MANAGING	ILE MEMORY ID FILE Func 2() Func 3()	fileD-1	,1210
MANAGING fileA-1	ILE MEMORY ID FILE Func 2() Func 3()	fileD-1	,1210
MANAGING fileA-1	ILE MEMORY ID FILE Func 2() Func 3() Func 9()	fileD-1	1210
MANAGING fileA-1 fileA-2	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9()	fileD-1	1210
MANAGING fileA-1	ILE MEMORY ID FILE Func 2() Func 3() Func 9()	fileD-1	1210
MANAGING fileA-1 fileA-2	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9()	fileD-1	, ,
MANAGING fileA-1 fileA-2	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9()	fileD-1	
fileA-1	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5() Main 1()	fileD-1	
MANAGING fileA-1 fileA-2	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5()	fileD-1	
fileA-1	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5() Main 1()	fileD-1	
fileA-1	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5() Main 1() Func 1()	fileD-1	
fileA-1 fileB-1 fileC-1	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5() Main 1() Func 1()	fileD-1	
fileA-1	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5() Main 1() Func 1()	fileD-1	
fileA-1 fileB-1 fileC-1	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5() Main 1() Func 1() Main 2() Func 6()	fileD-1	
fileA-1 fileA-2 fileB-1 fileC-1	ILE MEMORY ID FILE Func 2() Func 3() Func 8() Func 9() Func 5() Main 1() Func 1() Main 2() Func 6()	fileD-1	

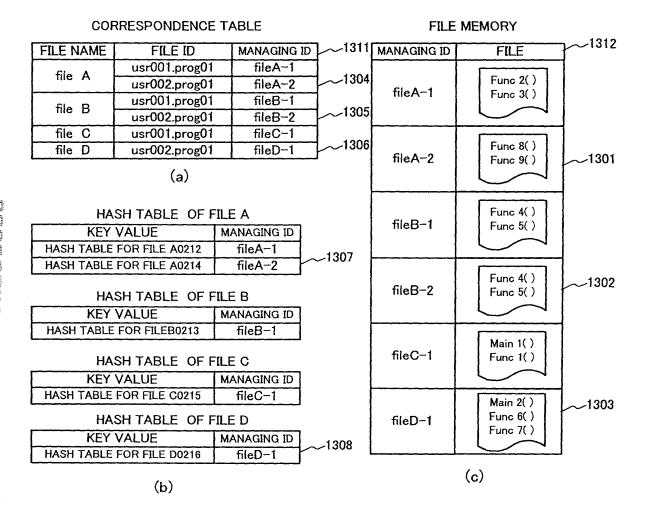


FIG.11

File	ID]
HASH TABLE FOR FILE 0401	A-1	FOR FILE NAME"file A"
HASH TABLE FOR FILE 0402	A-2	FOR FILE NAME"file A"
HASH TABLE FOR FILE 0403	A-3	FOR FILE NAME"file A"
HASH TABLE FOR FILE 0404	B-1	FOR FILE NAME"file B"
HASH TABLE FOR FILE 0405	B-2	FOR FILE NAME"file B"
:	:	

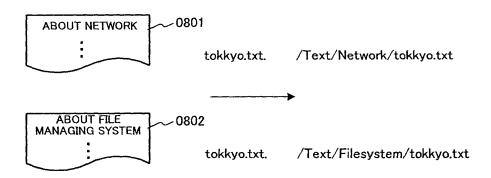
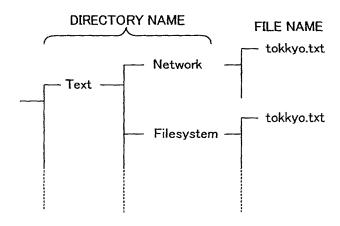


FIG.13



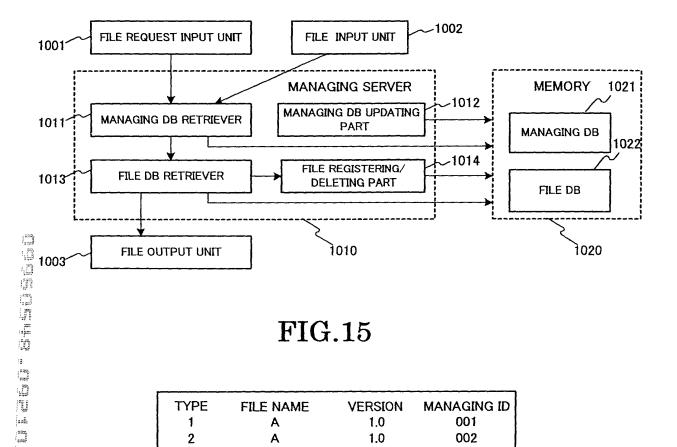


FIG.15

TYPE	FILE NAME	VERSION	MANAGING ID
1	Α	1.0	001
2	Α	1.0	002
1	Α	2.0	003
1	В	1.0	004